

## ABSTRACT

Provided in this invention is a vein authentication device comprising:  
an interface on which a part of a living body; one or more light sources for  
emitting infrared light; an image pickup unit for picking up a blood vessel  
5 image of the part of the living body using infrared light emitted from the light  
sources; an image computing unit for processing the blood vessel image  
picked up by the image pickup unit; and a light shielding unit for shielding  
infrared light emitted from the light sources and preventing the infrared light  
from traveling in an image pickup direction of the image pickup unit,  
10 wherein the interface has an opening opened in the image pickup direction  
of the image pickup unit, and wherein the light sources irradiates the part of  
the living body with infrared light from an image pickup side of the part of  
the living body.